

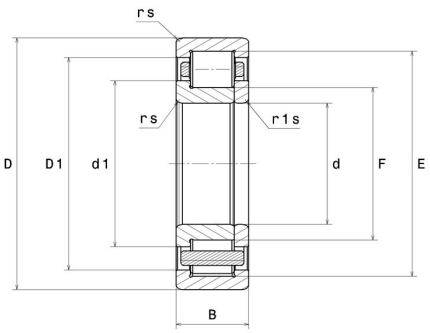
Technical data

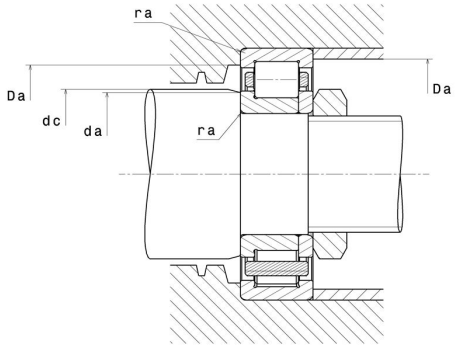
NUP311ET2XU

Single row cylindrical roller bearings

Single row cylindrical roller bearing, locating, separable, polyamide cage

Visual(s)





Product definition

d	55 mm
D	120 mm
B	29 mm
E	106.5 mm
F	70.5 mm
d1	77.7 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.55 kg
Brand	NTN

Product performance

Dynamic load, C	137 kN
Static load, C0	143 kN
Fatigue limit load, Cu	17.4 kN
Nlim (oil)	6,300 Tr/min
Nlim (grease)	5,300 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.71 Hz
Characteristic outer ring frequency, BPF0	5.18 Hz
Characteristic inner ring frequency, BPFI	7.82 Hz

Abutment dimensions

da min	64 mm
dc min	80 mm
Da max	111 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$